

TOTTINGTON
URBAN DISTRICT COUNCIL.

ANNUAL REPORT

OF THE
Medical Officer of Health,
1902,

(January 1st to December 31st).

BURY :
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Medical Officer's Annual Report.

POPULATION—1901	6118
„ 1891	5768
Area in Statute Acres	2655
Estimated number of Inhabited Houses (1901)					1153
„ „ „ „ (1902)					1341
„ „ „ „ (1903)					1347
Average number of persons per house	...		...		4·5

TO THE TOTTINGTON URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have pleasure in submitting my Annual Report on the health of your district for the year ending December 31st, 1902.

Birth Rate.—During the past twelve months the returns of the local Registrar shew that 110 births have been registered in the district, of which number 65 were males and 45 females, being at the rate of 17·97 per thousand persons living. The births registered were distributed over the various parts of your district as follows :—

Chapel Ward.....	29
Church Ward.....	11
Greenmount Ward.....	19
Hawkshaw Ward	15
Walshaw Ward	36

The Birth Rate for 1899 was 19·96 per thousand (nine months).

„	„	1900	„	24·11	„	„
„	„	1901	„	22·06	„	„

Illegitimate Birth Rate.—The illegitimate births in district numbered 1—a male—equal to ·9 per cent. of the total births.

In the nine months of the year 1899, the illegitimate birth rate was 1·81 per cent., in 1900, 3·96 per cent., and in 1901, ·74 per cent.

The Death Rate.—The number of deaths from all causes and at all ages, registered was 76 ; and of residents of the district registered in Bury (Workhouse) 3, giving a total of 79 deaths ; of this number 40 were males and 39 females. No deaths of residents of other districts have been registered in Tottington during the year.

The number of deaths at the Holly Mount Poor Law Schools was 3, the *nett* number of deaths of residents is 76.

The crude death rate is 12·91 and the corrected death rate for the year 12·42 per thousand.

In 1901 the death rate was 15·85 per thousand.

„	1900	„	„	„	15·35	„	„
„	1899	„	„	„	17·97	„	„

Infantile Mortality.—The number of deaths occurring under the age of one year was 11, and the Infantile Mortality measured by the proportion of deaths under one year, per thousand births is 100·00.

In 1901 the rate was 133·33 per thousand.

„	1900	„	„	63·50	„	„
„	1899	„	„	127·27	„	„

Mortality over the age of One year and under the age of Five.—The number of deaths occurring at this age was 4, giving a death rate of $\cdot 653$ per thousand.

Mortality over Five and under the age of Fifteen years.—The number of deaths occurring under this heading was 4, equal to a death rate of $\cdot 6538$ per thousand.

Mortality over Fifteen and under the age of Twenty-five.—The number of deaths at this age was 4, equal to a death rate of $\cdot 6538$ per thousand.

Mortality over Twenty-five and under the age of Sixty-five.—The number of deaths occurring under the age of sixty-five was 29, equal to a death rate of $4\cdot 740$ per thousand.

Mortality amongst Aged people (over 65 years.)
The number of deaths occurring under this head was 24, equal to a death rate of $3\cdot 922$ per thousand.

Zymotic Diseases.—Three deaths were registered as being due to the above named cause, giving a death rate of $\cdot 49$ per thousand.

In 1901 the death rate from this cause was $1\cdot 47$ per thousand.

„ 1900	„	„	„	„	1 \cdot 27	„	„
„ 1899	„	„	„	„	1 \cdot 75	„	„

Infectious Diseases.—During the year 21 cases of infectious disease have been notified, the cases being distributed over the district as follows :—

	Chapel Ward.	Church Ward.	Greenmount Ward.	Hawkshaw Ward.	Walshaw Ward.
In 1902	8	0	3	3	7
„ 1901	3	2	8	3	3

The majority of the cases reported were due to Scarlet Fever (11). The disease has been spread in this district through mild cases—often mistaken for colds, etc.; being allowed to get about too early; the real nature of disease not being suspected until desquamation had made its appearance, and the children so suffering coming in contact with healthy ones in the schools. During the closing months of the year (November) the disease made its appearance in Hawkshaw Ward, the cases notified were of a mild type. In consequence of the outbreak I visited the Hawkshaw Schools and arranged to have the Sunday Schools closed and the premises fumigated and disinfected; these measures were adopted with, I think, satisfactory results; at any rate no further cases were reported.

Measles.—Sporadic cases of measles have occurred in the district from time to time throughout the year, but the disease has not been epidemic as was the case in 1901.

Smallpox.—There have been no cases of this disease.

Chicken Pox.—A few cases of this disease have been noted.

Diphtheria.—Two cases of this disease have been notified, 1 in Walshaw Ward and 1 in Chapel Ward.

The origin of the case in Walshaw Ward is difficult to assign accurately, but it is singular that the case occurred in the same house and in the same family as in 1901; the house in which the case occurred is quite sanitary and of modern construction and had been thoroughly disinfected. Nothing wrong could be detected in the farm premises from which the people derived their milk supply. I believe that this case was imported from a neighbouring district where the disease was prevalent. The other case (Chapel Ward) was due to a defective drain which has since been remedied.

Enteric Fever.—Eight cases of this disease have been notified, 5 in Chapel Ward and 3 in Walshaw Ward.

No serious sanitary defects could be found on the farm premises from which these patients obtained their milk supply, but in all these cases complaints were made by the occupants of the houses of the offensive condition of the closets and middens, and after examination of the premises I must admit that the complaints were well founded. In two of the cases the foecal matter had to be pushed down with a spade before the closet could be used ; the middens also were full to overflowing, the smell from these out offices was very objectionable and noticeable in the houses. I believe that this state of things has contributed to the causation of the cases of Enteric Fever, if not the sole cause.

There have been no deaths from this cause during the year.

All the premises in which infectious diseases have occurred have been thoroughly fumigated with sulphur and the premises cleaned.

We have, as yet, no hospital accommodation for cases of infectious disease, but negotiations are maturing for such provision.

Cowsheds and Dairies.—I have visited the different farm premises in the district periodically throughout the year and have found them to be as clean and well kept as circumstances would permit. In the majority of instances these cowsheds are of ancient construction and deficient in means of ventilation and lighting. It would be difficult to improve many of these premises without rebuilding them. The water supply

to farms has, this year, been abundant and of good quality, and no complaints have been received on this score. The dairies have been well and cleanly kept and no serious sanitary defects have been notified in connection with them.

No cases of infectious diseases have been reported as having occurred on farm premises, with one exception, and in this case no milk or butter was sold, the land being used for grazing purposes only.

Bakehouses (5).—I have inspected these and found them clean. No sanitary defects have been reported in connection with them. None of the bakehouses are underground ones and the regulations as to limewashing have been complied with.

Slaughter Houses (3).—I have made periodical visits to these, and have inspected the carcasses of beasts intended for human consumption and have in every case found them to be free from disease. The premises are sanitary and the conduct of the slaughter houses was satisfactory. A few minor defects connected with the utensils and implements used in the slaughter of cattle have been brought under the notice of the owners and the defects remedied and instructions complied with. These slaughter houses ought to bear a notice stating that the premises are registered ; this is not done.

Lodging Houses.—There are no registered lodging houses in the district.

Factory and Workshops Act.—I have made periodical visits to the different factories and workshops in your district during the past year.

In previous years these visits have been made in accordance with my ordinary routine practice and as part of my duty as Medical Officer of Health under the Public Health Acts, but last year I have specially visited the different works in the district with a view to reporting on the administration of the Factory and Workshops Act as required by Section 132 of this Act, and in this connection I wish to acknowledge the kindness and willingness shewn by the officials connected with all the workshops and factories who conducted me over the whole of the workrooms in their respective works, and spared neither time nor pains in shewing me everything I desired to see, and in giving me the information I required.

The industries carried on in your district consist of weaving (6), with its branches, such as winding, warping and sizing ; calico printing (2), cloth bleaching (2), waste bleaching (1) and iron works (1).

WEAVING.—The Tottington and Woolfold Manufacturing Co., whose works are situated in Walshaw Ward and is one of the largest works in the district. This mill is engaged in the manufacture of cotton cloths and employs 339 persons. The different workrooms were very cleanly kept and no collection of trade refuse or dirt was anywhere noticeable ; the cleaning had evidently been systematically done and attention had been paid to whitewashing.

The air space allowed in the different rooms seems sufficient for the number of persons employed in them and the ventilation of the rooms was also quite satisfactory, (extractors).

There are no special fire escapes, but numerous alternative exits exist that can be made use of in times of emergency.

I inspected the sanitary conveniences and found them sufficient, clean and in good order. Alterations and improvements in these offices had been made since my last visit in the direction of improved ventilation and also in the provision of an increased number of them. Care had been taken in the regular emptying of these conveniences. The number of sanitary conveniences available at this works is eighteen.

Glen Mill.—These works are also situate in Walshaw Ward and are engaged in the manufacture of cotton cloths or calicoes.

These premises are well kept as regards their cleanliness and the requirements as to limewashing have been attended to.

The air space in the several workrooms is ample. Ventilation of the rooms seemed to be satisfactory.

The sanitary conveniences at this works are of recent construction and of modern principle. They are situated outside the works. There are ten of these conveniences and on the occasion of my last visit they were clean and had been recently emptied.

There are no special means of escape in the event of fire, but the exits seem numerous enough to allow of the employees leaving by alternative routes.

Spring Mill.—Situated in Chapel Ward and employing 364 persons engaged in the manufacture of calicoes.

The air space in these works is quite sufficient, and the different rooms are clean and whitewashed at specified intervals. The ventilation of the rooms is satisfactory.

At this works there is one special means of escape in the event of fire, viz. : an outside staircase leading from the winding room and attic. The exits from the larger rooms are, I think, ample.

The sanitary conveniences are situated outside the work-rooms and are twelve in number. These offices are cleaned weekly and regularly emptied. On the occasion of my visit I found them clean.

Bleaklow Mill.—Situated in Hawkshaw Ward and engaged in cotton spinning, weaving and doubling, the number of persons employed at this establishment is 161. The work-rooms were on the day of my visit scrupulously clean, the place having the appearance of having been recently cleaned throughout.

The amount of air space is more than sufficient for the number of persons employed, and the ventilation was exceptionally good.

The means of escape in the event of fire taking place consists of stone steps leading from such of the rooms as are situated on the second storey to the ground floor. The exits from the rooms on the ground floor were in my opinion sufficient.

The sanitary conveniences, eleven in number, were clean and tidily kept ; these conveniences are situated outside the buildings, but accessible from within the workrooms.

Kenyons Mill.—Situated in Hawkshaw Ward and employing 32 persons engaged in the weaving of towels.

This mill is three storied and the means of escape from fire consists of extra doors on the second and third stories, at the opposite end of the building to where the staircase is situated.

The ventilation is carried out by means of windows opening at the top, and is sufficient for the number employed. The air space allowed is also satisfactory.

The sanitary conveniences, two in number, were clean, and had the appearance of having been recently emptied.

Brookhouse Mill.—Situated in Greenmount Ward and employing 190 persons is also engaged in the manufacture of calicoes. The different workrooms were clean and attention had been given to limewashing.

The ventilation is good and the amount of air space allowed in each room sufficient for the number of persons employed.

The sanitary conveniences, five in number, were in a clean condition and were regularly emptied.

There are no special means of escape in the event of fire, but numerous exits are to be found which may be used in cases of emergency.

The Bleachworks in the district are three in number, two of them being engaged in cotton cloth bleaching and one in cotton waste bleaching.

Stormerhill Bleachworks.—Situated in Church Ward and engaged in cotton cloth bleaching and dyeing. These works are kept in a very clean state and limewashing of the walls had been attended to.

The air space allowed is ample and the means of ventilation sufficient.

The means of escape in the event of fire are numerous and no special means are necessary. The floors were, on the occasion of my visit, dry and provision had been made for free drainage.

The sanitary conveniences were clean and in good order, all these places being situated outside the workrooms.

Two Brooks.—Situated in Hawkshaw Ward and engaged in the bleaching of cotton cloths. The different workrooms were clean and in good order.

The air space is quite sufficient and the means of ventilation good, additional and more improved means of attaining this object were in progress at the time of my visit. The drainage of the floors of rooms in which wet processes are carried on was quite satisfactory.

The sanitary conveniences, four in number, were clean and had the appearance of having received regular attention.

Kirklees Bleachworks.—Situated in Greenmount Ward and employing 42 persons engaged in the bleaching of cotton waste. The initial stages of the process are somewhat dusty, but care is taken to prevent the accumulation of dirt.

The air space in the rooms in which this process is carried on is sufficient and the ventilation is good. The drainage of the floors in the bleaching department is satisfactory.

The sanitary conveniences were clean and are regularly emptied.

Tottington Mill and Kirklees Mill.—These works are situated in Greenmount Ward and are engaged in calico printing, bleaching and dyeing, together with the preparatory trades associated with it, such as engraving, etching, etc.

The air space in these works is quite ample for the numbers employed in the various rooms, and the means of ventilation is on the whole satisfactory. The drainage of the floors in rooms in which wet processes are carried on is in a good state, and no discomfort is likely to arise from this.

The sanitary conveniences, fifteen in number, seem sufficient for the number of persons employed, but required emptying on the occasion of my last visit.

Iron Foundry.—The only one of its kind in the district is situated in Church Ward and employs about 16 persons. The business consists in the manufacture of iron castings.

The air space in this works is ample, and the means of ventilation quite sufficient.

The sanitary convenience was clean and attention is paid to the regular cleaning of the same.

A proper register of the factories and workshops in your district has been kept during the year.

Water Supply.—The water used for domestic purposes and drinking is supplied by the Bury and District Joint Water Board, and has, on the whole, been satisfactory as regards quantity, though occasionally the quality has been indifferent. Complaints as to the quality have been received

from Greenmount Ward, and were most frequent in the month of August. Since more frequent flushing of the mains was adopted, this nuisance has not been complained of. The quantity and quality of water supplied at the present time is quite satisfactory.

Sewerage and Drainage. — The sewer in the Walshaw district has been working satisfactorily during the past year, and connections of house drains with this sewer are being gradually effected. The number of nuisances arising from and associated with lack of this provision is becoming less. The sewage is treated at the sewage works by precipitation with alumino ferric solution, and afterwards by land filtration. The condition of the effluent has been good throughout the year.

Scavenging. — At present the emptying of ashpits, &c., devolves on the occupier of the house to which such ashpit is attached, and in some cases the owner of the property undertakes this work. This state of things is unsatisfactory, because the emptying is too long delayed, owing to the difficulty of getting contractors to undertake the work.

I am pleased to be able to state that the Urban Authority has now taken the initial steps for the systematic emptying of ashpits in the district.

I feel sure that when this work is undertaken by the Urban Authority that it will be conducive both to the health and convenience of the inhabitants.

Housing of the Working Classes. — Since my last report, a few houses have been built in the district. These houses are of modern construction, and better suited for the accommodation of the working class.

The condition of the majority of the houses let to this class is, on the whole, satisfactory, but many of the houses are ancient and not in accordance with modern sanitary requirements, but so long as this class of house is not allowed to become overcrowded, as is at present the case, they are quite fit for habitation, since, generally speaking, where the older property exists in our district there is more open breathing space. The yard premises require, in the great majority of instances, paving, or better still, flagging.

I have much pleasure in subjoining the report of the Sanitary Inspector (Mr. Lawrence Kenyon).

A. H. POOLE.

Sanitary Inspector's Report

For the Year ending December 31st, 1902.

Sanitary requirements attended to.....	156
Number abated	149
Number now under notice	7
Number reported to District Council	4

Classification of Nuisances.

Privy and ashpit nuisances	104
Defective privies and ashpits.....	3
Defective drainage and sink pipes.....	39
Accumulation of filth and rubbish.....	5
Insanitary condition of premises	1
Defective water supply	1
Miscellaneous nuisances.....	3
	<hr/>
	156
	<hr/>
Houses disinfected after infectious disease	17
Smoke observations taken	32

The farms have been under supervision during the year, and several notable improvements have been carried out.

Yours obediently,

L. KENYON,

Sanitary Inspector.

TABLE I.

TOTTINGTON DISTRICT--Vital Statistics for whole District during 1902 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	*Rate.	Under 1 year of Age.	At all Ages.	Number.	*Rate.				Number.	*Rate.
1	2	3	4	5	Rate per 1000 Births registered 6	7	8	9	10	11	12	13
1899	6059	110	24.11	14	127.27	82	17.97	16			66	14.46
1900	6312	126	19.96	8	63.50	93	15.35	12	2	5	96	15.20
1901	6118	135	22.06	18	133.33	97	15.85	12		3	97	15.85
Averages for years 1899-1901	6163	127	22.06	133	104.7	90.6	16.39	13.3		216	86.3	15.17
1902	6118	110	17.979	11	100	76	12.42	3	3	2	76	12.42

Area of District in acres (exclusive of area covered by water) 2237 acres, 2 roods, 7½ poles.

Population at all ages..... 6,118 } At Census
 Number of inhabited houses..... 1,350 }
 Average number of persons per house 4.5 } of 1901.

* Rates in Columns 4, 8 and 13 calculated per 1,000 of Estimated Population. [See next page.

TABLE I.—*Continued.*

1. Institutions within the District receiving Sick and Infirm persons from outside the District.	2. Institutions outside the District receiving Sick and Infirm persons from the District.	3. Other Institutions the deaths in which have been distributed among the several localities in the District.
Is the Union Workhouse within the District ? No.	Union Workhouse.	Holly Mount Roman Catholic Home.

TABLE II.

TOTTINGTON DISTRICT—Vital Statistics of separate Localities in 1902 and previous years.

NAMES OF LOCALITIES.	1. TOTTINGTON DISTRICT.				2. CHAPEL WARD.				3. CHURCH WARD.				4. GREENMOUNT WARD.				5. HAWKSHAW WARD.				6. WALSHAW WARD.			
	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
YEAR.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1899 ...	6059	110	66	14		30	19	2		20	16	1		20	22	1		14	3	1		42	33	4
1900 ...	6312	126	96	8		30	19	2		20	16	1		20	22	1		12	10	2		46	35	6
1901 ...	6118	135	97	18		34	31	7		20	9	2		23	22	1								
Averages of Years 1899 to 1901.	6163	127	86.3	13.3		32	20	4.5		20	12.5	1.5		21.5	22	1		13	65	1.5		44	34	5
1902 ...	6118	110	76	11	1412	27	16	6	900	14	10	—	1211	18	18	3	564	15	14	—	2031	36	18	2

TABLE III.

TOTTINGTON DISTRICT—Cases of Infectious Diseases notified during the Year 1902.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.					TOTAL CASES NOTIFIED IN EACH LOCALITY.				
	At all Ages.	At Ages—Years.				Chapel Ward.	Church Ward.	Greenmount Ward.	Hawkshaw Ward.	Walshaw Ward.
		1 to 5.	5 to 15.	15 to 25.	25 to 65.					
Diphtheria	2	1	1			1				1
Scarlet Fever	11	2	9			2		3	3	3
Enteric Fever	8		2	4	2	5				3
Totals	21	3	12	4	2	8		3	3	7

TABLE IV.

DISTRICT OF TOTTINGTON.

Causes of, and Ages at, Death during Year 1902.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).						TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Chapel Ward.	Church Ward.	Greenmount Ward.	Hawkshaw Ward.	Walshaw Ward.	Workhouse.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Scarlet fever ...	1	...	...	1	...	...	...	...	...	1	...	...	...	...
Whooping-cough ...	1	...	1	...	...	...	...	...	...	...	...	1	...	...
Epidemic influenza ...	2	...	...	1	...	1	...	...	1	1	...	...	...	1
Diarrhœa ...	1	1	...	...	...	...	...	...	...	...	...	1	...	...
Enteritis ...	2	1	...	...	...	1	...	1	1	...	...	...	...	...
Phthisis ...	9	...	...	2	1	6	...	2	...	2	2	3	...	2
Cancer, malignant disease ...	2	...	...	...	...	...	2	...	1	1	...	...	...	...
Bronchitis ...	14	7	...	...	...	2	5	6	1	2	2	3	1	...
Pneumonia ...	6	...	...	...	1	2	3	...	...	1	2	3	...	...
Other diseases of Respiratory organs ...	1	...	1	...	...	...	...	1	...	...	...	...	...	...
Diseases and accidents of parturition ...	1	...	...	...	...	1	...	...	...	...	...	1	...	...
Heart diseases ...	11	...	...	...	...	7	4	2	4	2	3	...	1	...
Accidents (Jury) ...	2	...	1	...	...	...	1	...	...	2	...	...	...	...
Suicides ...	1	...	...	...	...	1	...	...	...	...	...	1	...	...
Epilepsy ...	2	...	1	...	...	1	...	...	...	1	...	1	...	...
Nervous diseases ...	1	...	...	...	1	...	...	1	...	...	...	...	...	...
Rheumatism... ..	2	...	...	...	...	1	1	...	...	1	1	...	...	...
Cerebral Hemorrhage ...	4	...	...	...	...	2	2	2	1	...	...	1	...	...
Old age ...	4	...	...	...	...	...	4	...	1	1	2	...	1	...
Acute nephritis ...	2	...	...	...	...	1	1	...	...	...	1	1	...	...
All other causes ...	7	2	...	...	1	3	1	1	...	3	1	2	...	...
All causes ...	76	11	4	4	4	29	24	16	10	18	14	18	3	3

